

## Safe Work Instruction - Grinder - Angle

**DO NOT use this plant\* or complete this task unless you have been inducted in its safe use and operation by an Authorised Experienced Operator**

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process.  
Additional training may be required for high risk plant/work. Site and task may change required PPE.

### PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Long and loose hair must be contained or covered.



Hearing protection must be worn



Foot protection must be worn



Hand protection must be worn



Minimum P2 face mask or respirator must be worn when airborne dust or fumes are created



Protective body clothing must be worn (non flammable)



High visibility clothing must worn (non flammable)

### POTENTIAL HAZARDS AND RISKS



#### Electrical Shock or Burn

Electrical shock or burn from damaged or poorly maintained electrical leads and cables



#### Exposure to Dust/Fumes

Exposure to Dust  
Exposure to Silica  
Exposure to Toxic Fumes



#### Other

Injury due to kickback from sharp rotating parts  
Irritation from excessive dust  
Burn injury  
Hearing damage from excessive noise



#### Cutting, Stabbing or Puncturing

Injury from sharp or flying object  
Injury from contact with moving parts



#### Entanglement

Entanglement in moving parts

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete Hot Works Risk Assessment Checklist if required
- ✓ Complete visual plant check before operation
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Always inspect the work piece to ensure that there aren't any items which might damage the grinding wheel or cause injury to the operator
- ✓ Check power lead is in good working order and does not create a trip hazard
- ✓ Confirm plant has a current electrical safety tag attached
- ✓ Ensure the work piece is firmly secured and supported

### OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Before making adjustments bring plant to a complete standstill and isolate
- ✓ Be aware of flying hot sparks. Hold the grinder so that the sparks fly away from you, other people and flammable materials
- ✓ Allow grinder to reach operating speed, then apply load gradually.

- ✓ Maintain complete control. Always operate with both hands. Maintain steady footing at all times

### ENDING OPERATIONS

- ✓ Switch off grinder before removing waste materials from bench
- ✓ Allow plant to cool before performing any maintenance, refuelling or cleaning
- ✓ Ensure plant is in good working order and stored in the appropriate location

### DO NOT

- ✗ Do not use if plant is faulty. Attach an Out of Service tag and report fault to your supervisor
- ✗ Do not apply excessive force, this could cause the disk to shatter
- ✗ Do not fit a grinding disc, that has been dropped, damaged or become wet at any stage
- ✗ Do not lift or drag the angle grinder by the cord
- ✗ Do not touch the work piece immediately after grinding operation as it may be extremely hot
- ✗ Do not leave plant running unattended, only use the grinder when hand held
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

\*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.